INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Atty. Docket No. 201-0986DP	Serial No. 09/683,159	
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Examiner Initial	Cite No.	Include name of the author, title of the article, title of the item. dai issue number(s), publisher, city and/or country where p	e, page(s), volume-
fefted	C1	Sprayform Tools and Dies Limited (STD), Video Transcript, public early as 01 Sept. 2000.	eation date at least as
	C2	RADIP TOOLING – Changing the Face of Manufacturing, Compadated 12 October 2000, trt: 10:50.	ct Disc Digital Data.
	C3	MERLE L. THORPE; and JOSEPH W. MINGE, SPRAY META TOOLING, 26th Annual National SAMPE (Society For The Advan And Process Engineering) Symposium And Exhibition, Apri Pages 374-382, Figures 1-13 and Table I and II.	cement Of Material 28-30, 1981,
	C4	Inventor Allen ROCHE, Co-pending United States Patent Applicat entitled "Method And Arrangement For Controlling Stresses I Dimensional Modeling In Sprayform Techniques" and filed	ion No. 09/683,161 Based On One-

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U.S. PATENT DOCUMENTS

Examiner	Cite	Document	Date of	Name of Patentee or	I421	TIC
Initial	No.	Number	Publication	Applicant of Cited Document	Int`l.	U.S.
9. KX	Al	4481237	11-06-1984	Bosshart et al.	Class	Class
	A2	5424101	06-13-1995	Atkins et al.	g	ļ. <u> </u>
	A3	5430376	07-04-1995			
 	A4	5658506		Viert		
 	A5		08-19-1997	White et al.	_~_	
		5947179	09-07-1999	Kinane et al.		
- 	A6	5952056	09-14-1999	Jordan et al.		
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EXAMINER INITIAL	Cite No.	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), little of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),
slx,		publisher, city and/or country where published K-H BUSSE; Arc Spraying Of Corded Wires; Thermal Spraying; June 1989; 19-28
-		STEEPER et al.; A Taguchi Experimental Design Study Of Twin-Wire Electric Arc Sprayed Aluminum Coatings; Proceedings of the international Thermal Spray Conference & Exposition; May 28-June 5 1992; 427-432; Oriando, FL.
-	-	AKIRA OHMORI; Thermal Spraying Current Status And Future Trends; Proceedings of the 14 th International Thermal Spray Conference; May 22-26 1995; 1197-1202; Kobe, Japan
		CRANE et al.; Relationships Between Process Variables, Structure And Mechanical Properties of Arc Sprayed Steel Coatings; Surface Engineering Conference; 1985; 103-118
		NEWBERY et al.; The Electric Arc Spray Manufacture of Rapid Production Tooling: A Case Study; Proceedings of the 15 th international Thermal Spray Conference; May 25-29 1998; 1223-1228; Nice, France
\$11		ZURECKI et al.; Electric Arc Deposition of Carbon Steel Coatings with Imporved Mechanical Properties; Journal of Thermal Spray Technology; December 1997; Volume 6(4); 417-421;
10 CO	Ò	HARRIS et al.; Influence of Heat Transfer on the Structure and Properties of Arc Sprayed Low Alloy Steels; Surface Engineering conference; 1985; 78-94
O		FUSSELL et al.; A Sprayed Steel Tool for Permanent Mold Casting of Aluminum; SAE Technical Paper Series; April 22-26 1991; 1-7; Dayton, OH.
		VOLENIK et al.; Properties of Alloy Steel Coatings Oxidized Dut=ring Plasma Spraying; Materials Science and Engineering; 1997; A234-236; 493-496
	1 -	WEISS et al.; Arc-Sprayed Steel-Faced Tooling; Journal of Thermal Spray Technology; September 1994; Volume 3(3); 275-281
		SMITH et al.; An Investigatio of the Effects of Dropletimpact Angle in Thermal Spray Deposition; Proceedings of the 7 th National Thermal Spray Conference; June 20-24 1994;
		KOWALSKY et al.; Diagnostic Behavior of the Wire-Arc-Plasma Spray Process; Proceedings of the International Thermal Spray Conference & Exposition; May 28-June 5 1992; 337-342; Orlando Fl.
		MURAKAMI et al.; Effect of Temperature Rise of Sprayed Deposits of an Fe-2.19wt.%C-0.68wt.%Si Alloy During Thermal Spraying on the Structures and the Mechanical Properties; Materials Science and Engineering; 1994; A174; 85-94
	-	PRINZ; Shaping By Deposition; Carnrgie Mellon University STEFFENS; Metallurgical Changes In The Arc Spraying Of Steel; British Welding Journal;
1	 -	October 1966; 597-605 BREDENDICK-KAMPER et al.; AES Investigation Of Thermally Sprayed Al ₂ O ₃ Coatings On Steel; Fresenius Journal Anal Chem; 1991; 341; 346-348

Substitute for form 1449B/PTO	Complete if Known		
INFORMATION DISCLOSURE	Application Number	01/18 1 101	
STATEMENT BY APPLICANT	Filing Date		
	Applicants	it is the second	
(use as many sheets as necessary)	Group Art Unit	1725	
	Examiner Name	T. Lin	
Sheet 3 of 3	Attorney Docket Number	47 678	

PE	CRANE et al.; Relationships Between Process Variables, Structure and Mechanical Properties Of Arc Sprayed Steel Coatings; First International Conference On Surface
& HX	Engineering: June 25-28 1985: 103-118: Brighton, UK
2 2002	KIM et al.; Heat Flow In Multi-Pass Arc Spraying Process; Surface And Coatings Technology; 1989; 398-408;
***	CRONJAGER et al.; Investigationd About The Machinability Of Arc-Sprayed Steel Coatings; Proceedings Of The Eleventh International Thermal Spraying Conference; September 8-12
	1986863-872; Montreal, Canada
	STEFFANS et al.; The Sonarc Process: Combining The Advantages Of Arc And HVOF
1 1	STEFFANS et al., The Sonare Process. Comming the Available 398.403. Volume 3(4)
	Spraying; Journal Of Thermal Spray Technology; December 1994; 398-403; Volume 3(4)
	WEISS et al.; Rapid Prototyping Of Tools; Carnegie Mellon University; October 1989; 1-23
	BHARGAVA et al.; Automated Ejectability Analysis And Parting Surface Generation For Mold Tool Design; Carnegie Melton University; May 1991; 1-29
	FUSSELL et al.; Controlled Microstructure Of Arc Sprayed Metal Shells; Carnegie Mellon
	CLYENS; Rapid Tooling Manufactured By Spray Tool Steel Directly Onto Stereolithography
	Models; HE et al.; Net Shape Simulation And Control; Proceedings Of The 7 th National Thremal Spray
PECA	Conference; June 20-24 1994; 415-419; Boston, MA GILL et al.; Monitoring Of Residual Stress Generation During Thermal Spraying By Curvature Measurements; Proceedings Of The 7 th National Thermal Spray Conference; June 20-24 1994; 581-592; Boston, MA
APRICE VED	RASTEGAR et al.; On The Optimal Motion Planning For Solid Freeform Fabrication By Thermal SprayingProceedings Of The 7 th National Thermal Spray Conference; June 20-24 1994; 463-483; Boston, MA
-' _{7>-}	HARRIS et al.; Influence Of Wire Composition And Other Process Variables On The Internal Stress Of Arc Sprayed Steel Coatings; DVS; 80; 245-249
100	GREVING et al.; Effects Of Coating Thickness And Residual Stresses On Bond Strength Of C633-79 Thermal Spray Coating Test Specimens; Proceedings of the 7 th National Thermal Spray Conference; June 20-24 1994; 639-644; Boston, MA
	KNIGHT et al.; Residual Stresses in Thermally Sprayed Coatings; Proceedings of the 1993 National Thermal Spray Conference: June 7-11 1993; 607612; Anaheim, CA
1/1	NEISER et al.; Use Of A Computer Model To Assist In VPS Parameter Development; Proceedings of the 1993 National Thermal Spray Conference; June 7-11 1993; 61-66; Analysis CA
	EINERSON et al.; Intelligent Control Strategles For The Plasma Spray Process; Proceedings of the 1993 National Thermal Spray Conference; June 7-11 1993; 205-211; Anaheim, CA

EXAMINER

*Examiner Initial if citation considered, whether or not citation is in conformance with MPEP 609, Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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